

**United States Environmental Protection Agency
Region 7
901 N. 5th Street
Kansas City, KS 66101**

Date: 12/19/2006

Subject: Transmittal of Sample Analysis Results for ASR #: 3158

Project ID: EMA78Q00

Project Description: United Zinc No. 1 site sampling

From: Dale I. Bates, Director
Regional Laboratory, Environmental Services Division

To: Eddie McGlasson
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.



Project Manager: Eddie McGlasson**Org:** SUPR/ER&R**Phone:** 913-551-7756**Project ID:** EMA78Q00**Project Desc:** United Zinc No. 1 site sampling**Location:** Iola**State:** Kansas**Program:** Superfund**Site Name:** United Zinc No. 1 -**Site ID:** A78Q **Site OU:** 00**Purpose:** Site Characterization**GPRA PRC:** 302DC6C**Explanation of Codes, Units and Qualifiers used on this report****Sample QC Codes:** QC Codes identify the type of sample for quality control purpose.**Units:** Specific units in which results are reported.

___ = Field Sample

% = Percent

mg/kg = Milligrams per Kilogram

Data Qualifiers: Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.

J = The identification of the analyte is acceptable; the reported value is an estimate.

ASR Number: 3158**Sample Information Summary****12/19/2006****Project ID: EMA78Q00****Project Desc: United Zinc No. 1 site sampling**

Sample No	QC Code	Matrix	Location Description	External Sample No	Start Date	Start Time	End Date	End Time	Receipt Date
1 - ___		Solid	EPA 927, Cell #2 (102 East Buchanan)		11/13/2006	14:00			12/08/2006
2 - ___		Solid	EPA 931, Cell #2 (208 South Cottonwood)		11/15/2006	14:30			12/08/2006
3 - ___		Solid	EPA 965, Cell #1 (318 North Colborn)		11/17/2006	09:30			12/08/2006
4 - ___		Solid	EPA 982, Cell #1 (215 North 3rd)		11/21/2006	11:00			12/08/2006
5 - ___		Solid	EPA 975, Cell #2 (414 North Jefferson)						12/08/2006
6 - ___		Solid	EPA 950, Cell #2 (115 South 3rd)		11/27/2006	14:33			12/08/2006
7 - ___		Solid	EPA 962, Cell #3 (516 South Walnut)		11/28/2006	11:11			12/08/2006
8 - ___		Solid	EPA 968, Cell #5 (311 North Elm)		11/27/2006	15:50			12/08/2006
9 - ___		Solid	EPA 957, Cell #3 (420 North Elm)		11/28/2006	10:00			12/08/2006
10 - ___		Solid	EPA 958, Cell #2 (512 North Elm)		11/28/2006	10:45			12/08/2006
11 - ___		Solid	EPA 998, Cell #1 (119 West Vine)		11/29/2006	10:00			12/08/2006

Analysis Comments About Results For This Analysis

1 Metals in Solids by ICP

Lab: Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3122.3B**Samples:** 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__
 8-__ 9-__ 10-__ 11-__**Comments:**

Cadmium was J-coded in all the samples. Although the analyte in question has been positively identified in the samples, the quantitation is an estimate (J-coded) due to high recovery of this analyte in the laboratory control sample. The actual concentration for this analyte may be lower than the reported value.

1 Percent Solid

Lab: Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3142.9D**Samples:** 1-__ 2-__ 3-__ 4-__ 5-__ 6-__ 7-__
 8-__ 9-__ 10-__ 11-__**Comments:**

(N/A)

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RLAB Approved Sample Analysis Results

Project Desc: United Zinc No. 1 site sampling

12/19/2006

Analysis/ Analyte	Units	1-__	2-__	3-__	4-__
1 Metals in Solids by ICP					
Arsenic	mg/kg	34.4	14.5	9.49	13.4
Barium	mg/kg	237	230	175	164
Cadmium	mg/kg	10.3 J	8.79 J	7.05 J	7.35 J
Lead	mg/kg	2640	1260	426	483
Zinc	mg/kg	1520	1440	1110	1090
1 Percent Solid					
Solids, percent	%	77.8	80.4	82.1	85.9

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Analysis/ Analyte	Units	5-__	6-__	7-__	8-__
1 Metals in Solids by ICP					
Arsenic	mg/kg	19.5	15.2	8.10	18.3
Barium	mg/kg	250	171	165	219
Cadmium	mg/kg	13.1 J	9.33 J	5.00 J	12.7 J
Lead	mg/kg	1150	526	327	940
Zinc	mg/kg	2220	1490	523	1830
1 Percent Solid					
Solids, percent	%	85.3	75.5	76.7	78.3

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Analysis/ Analyte	Units	9-__	10-__	11-__
1 Metals in Solids by ICP				
Arsenic	mg/kg	23.4	145	27.4
Barium	mg/kg	286	247	159
Cadmium	mg/kg	11.8 J	28.2 J	9.98 J
Lead	mg/kg	1620	5550	961
Zinc	mg/kg	2270	4640	1730
1 Percent Solid				
Solids, percent	%	75.1	74.5	74.9